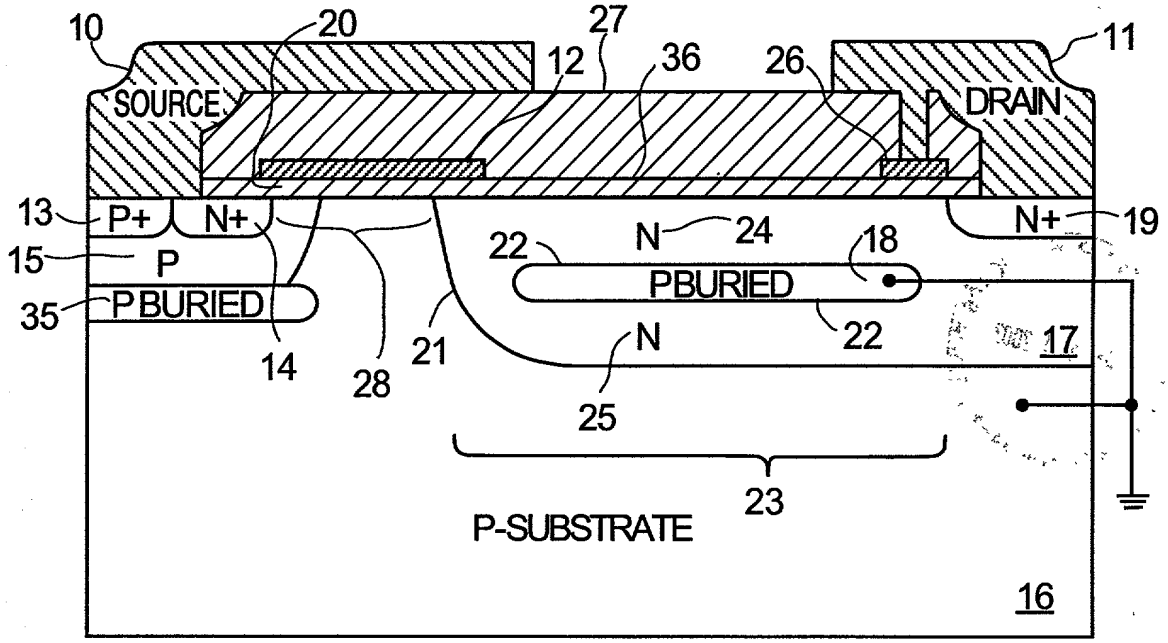
10
20
27
12
36
26
11
SOURCE
DRAIN
13
P+
N+
N+
19
15
P
22
N
24
18
35
PBURIED
PBURIED
22
17
14
28
21
N
25
23
P-SUBSTRATE
16

FIG. 1

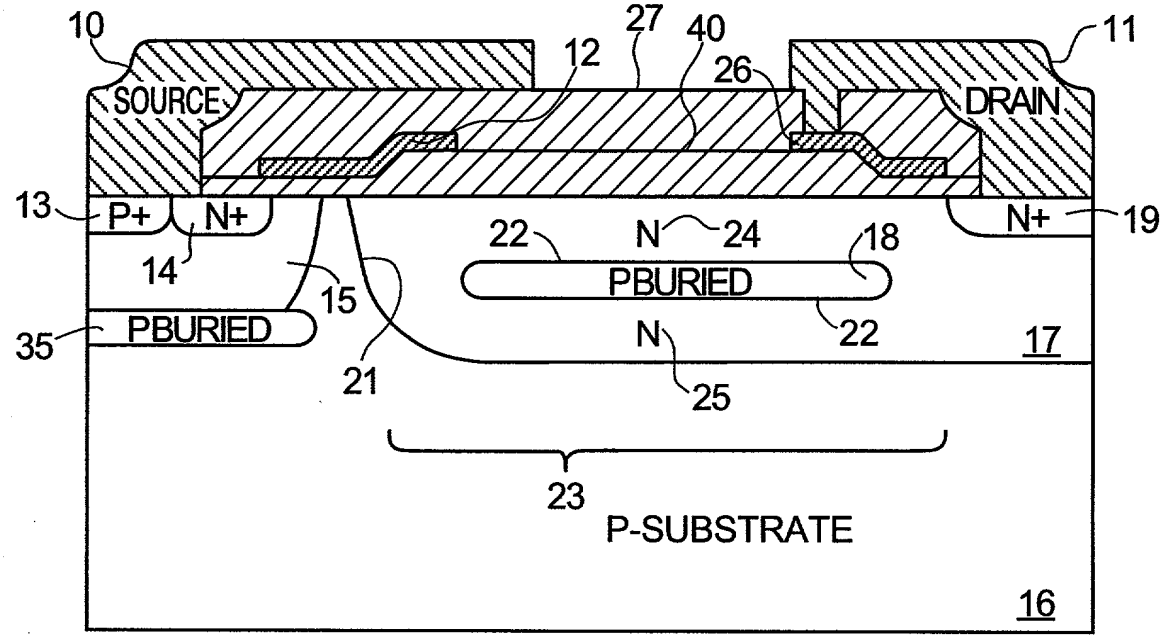
10
27
40
12
26
11
SOURCE
DRAIN
13
P+
N+
N+
19
22
N
24
18
14
15
PBURIED
35
PBURIED
22
17
N
21
25
23
P-SUBSTRATE
16

FIG. 2

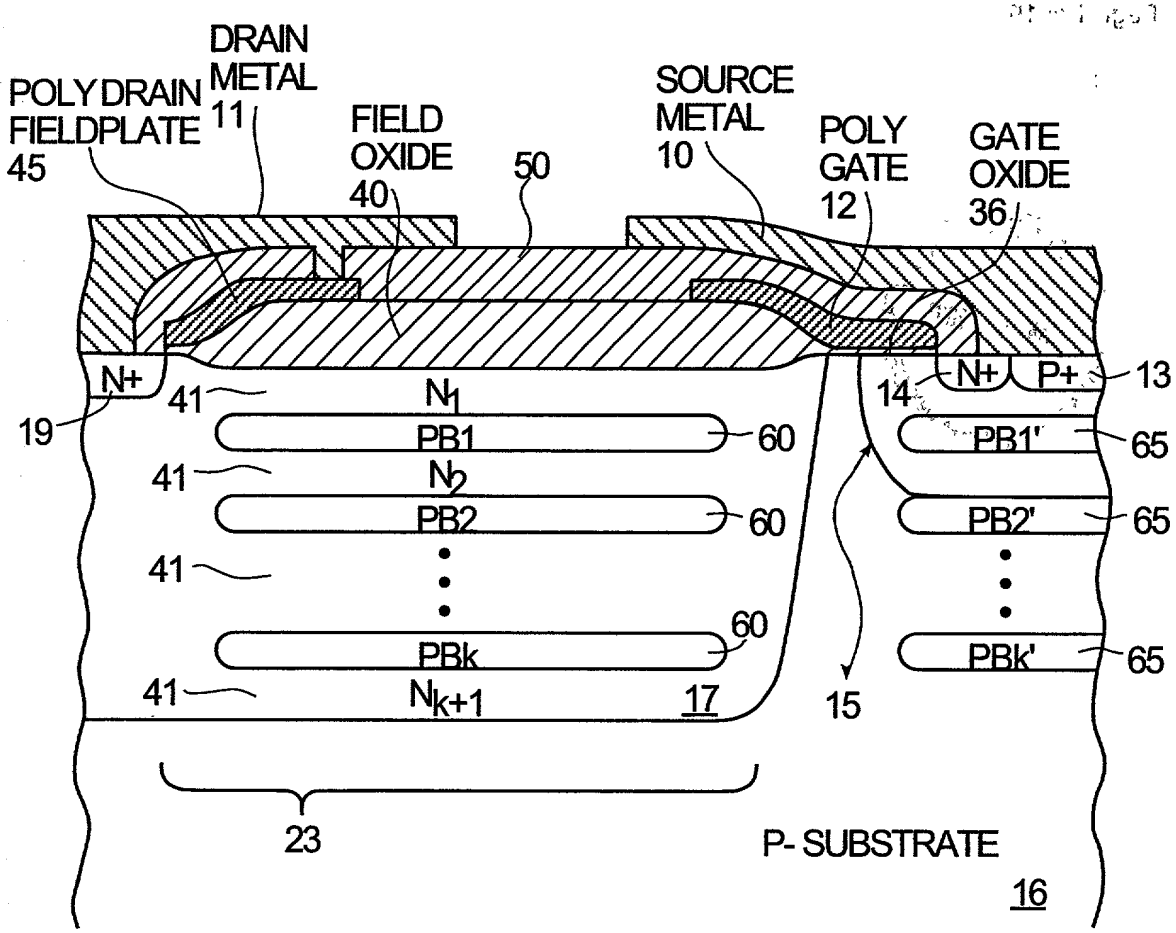
POLY DRAIN FIELDPLATE 45
DRAIN METAL 11
FIELD OXIDE 40
50
SOURCE METAL 10
POLY GATE 12
GATE OXIDE 36
N+
19
41
N1
PB1
60
41
N2
PB2
60
41
60
PBk
41
Nk+1
17
15
N+
P+
14
13
PB1'
65
PB2'
65
PBk'
65
23
P- SUBSTRATE
16

FIG. 3

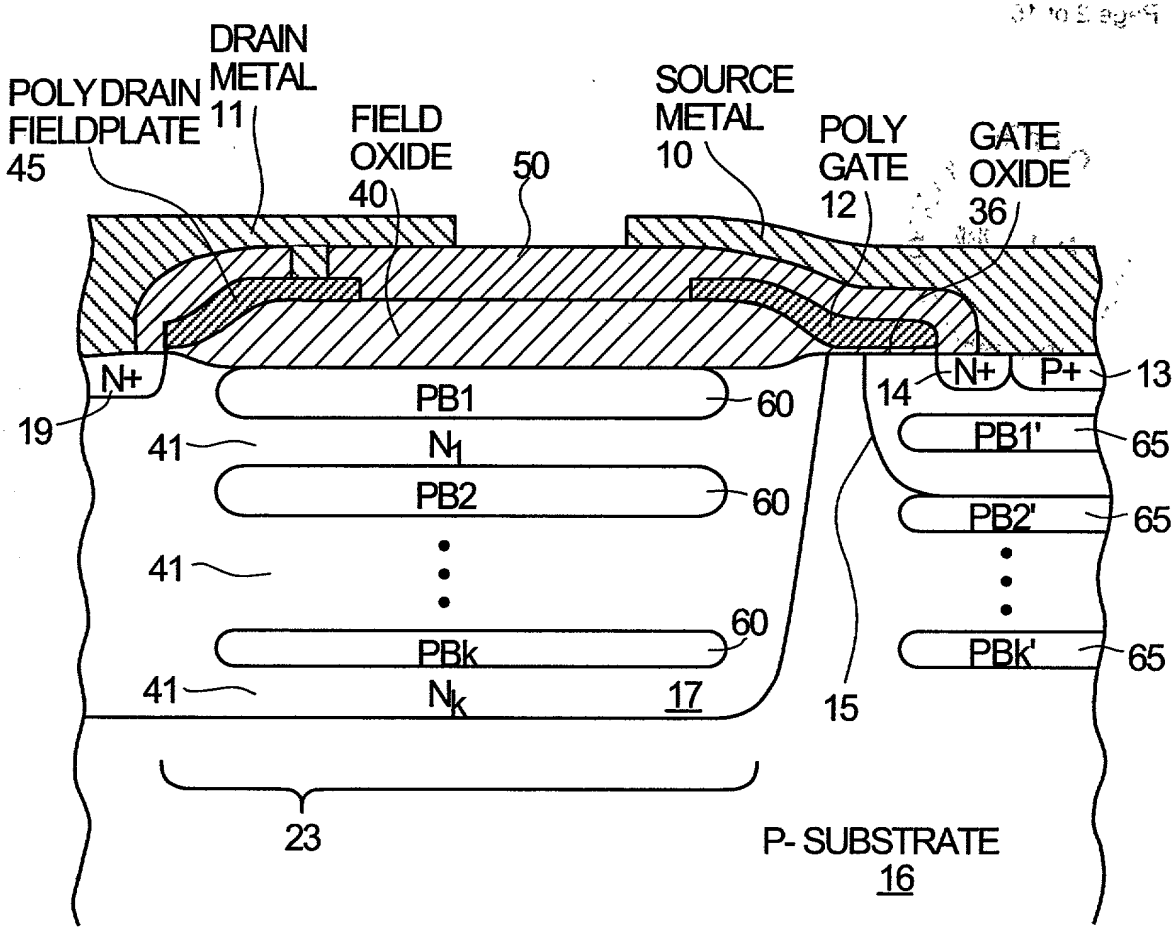
DRAIN
METAL
11
POLY DRAIN
FIELDPLATE
45
FIELD
OXIDE
40
50
SOURCE
METAL
10
POLY
GATE
12
GATE
OXIDE
36
N+
19
PB1
60
41
N1
PB2
60
41
PBk
60
41
Nk
17
N+
P+
13
14
PB1'
65
PB2'
65
PBk'
65
15
23
P- SUBSTRATE
16

FIG. 4

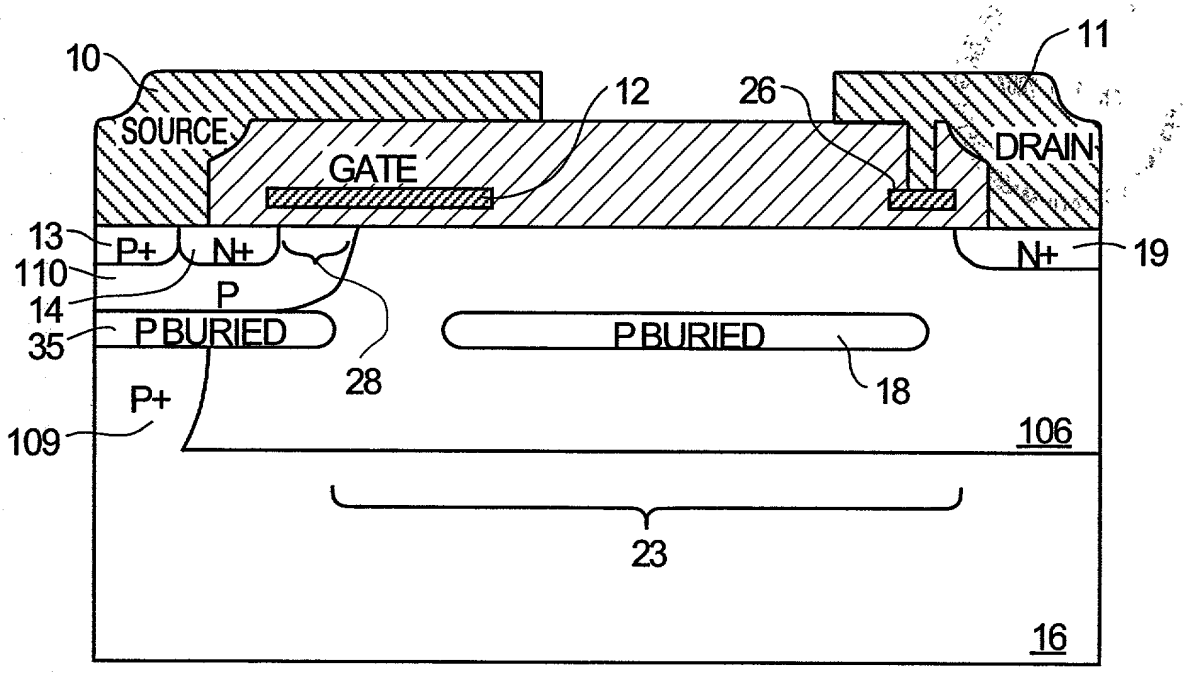
10
11
12
26
SOURCE
GATE
DRAIN
13
P+
N+
N+
19
110
14
P
35
PBURIED
PBURIED
28
18
P+
109
106
23
16

FIG. 5

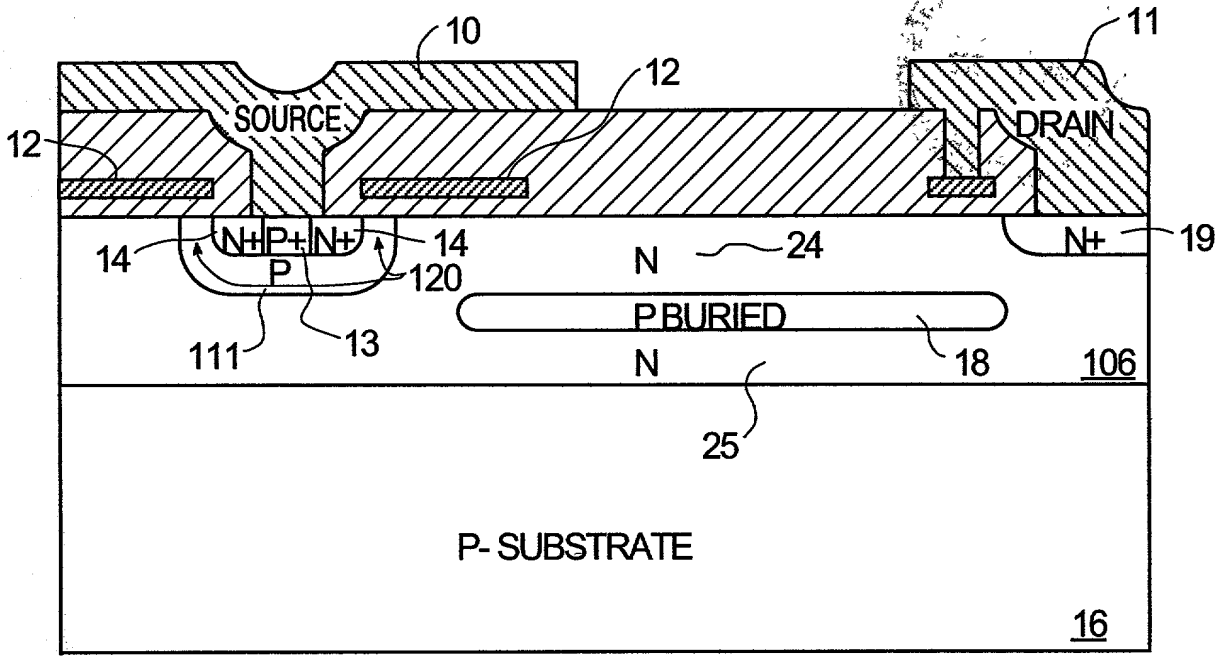
10
11
12
12
SOURCE
DRAIN
N+
P+
N+
14
14
P
120
N
24
N+
19
P BURIED
111
13
N
18
106
25
P- SUBSTRATE
16

FIG. 6

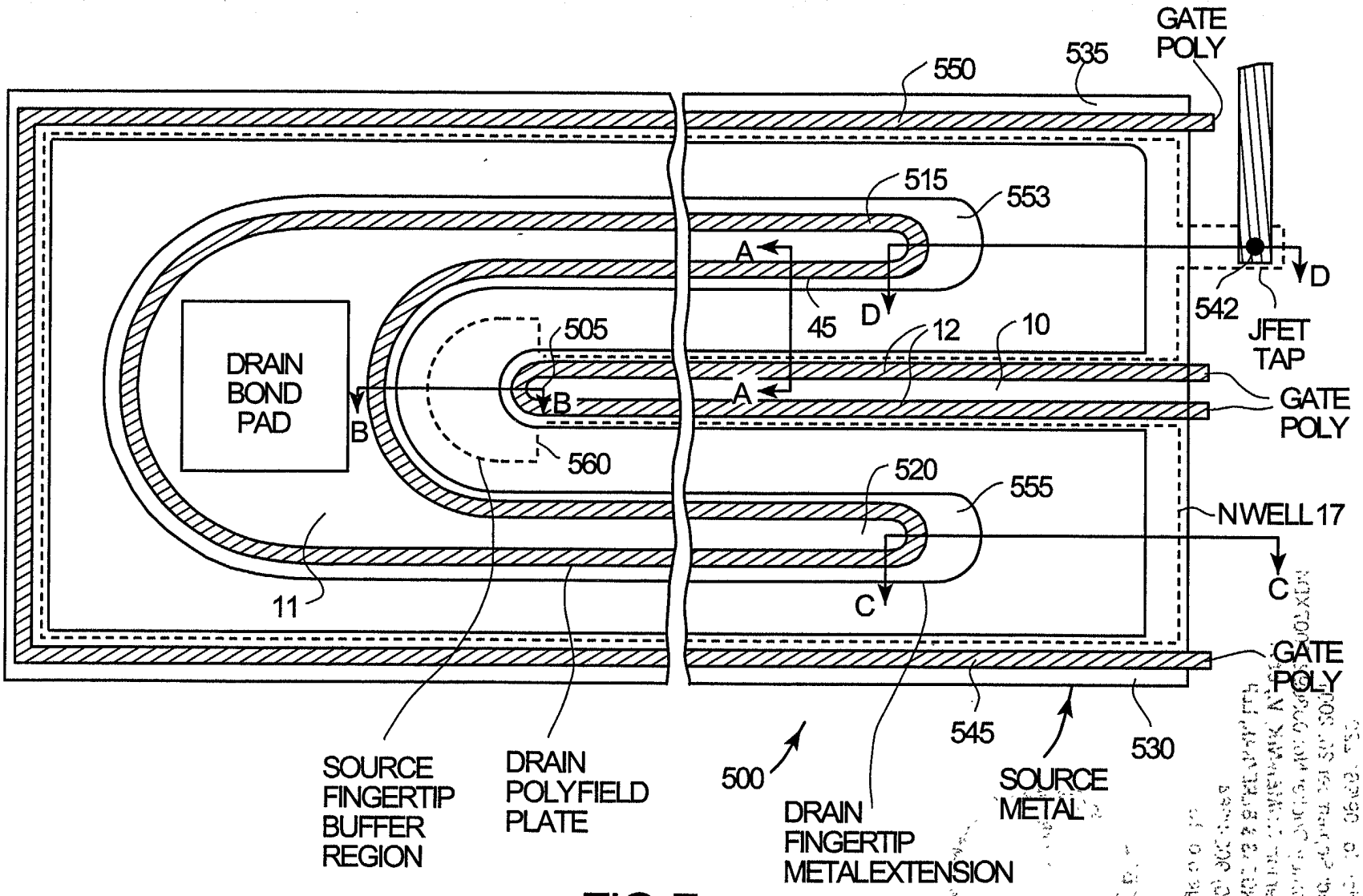

FIG. 7

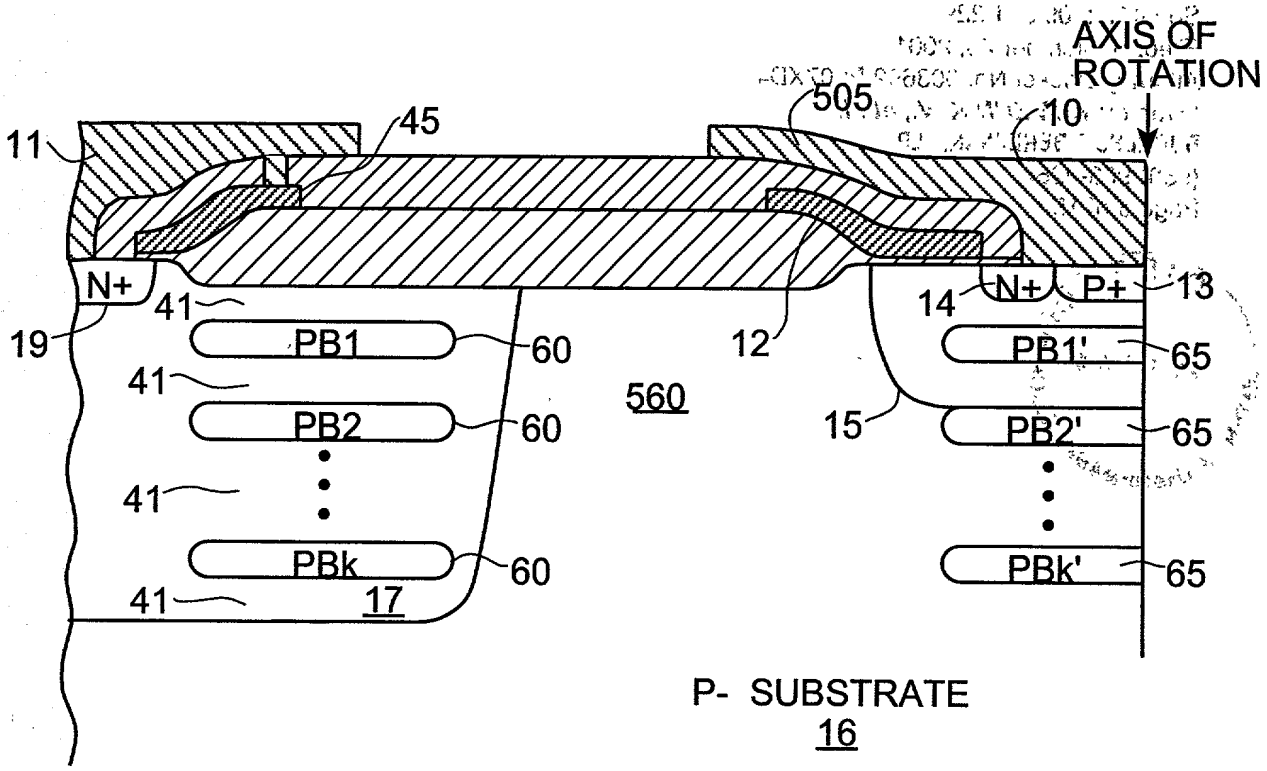
AXIS OF
ROTATION
505
10
11
45
N+
41
19
PB1
60
41
PB2
60
41
PBk
60
41
17
560
12
14
N+
P+
13
PB1'
65
15
PB2'
65
PBk'
65
P- SUBSTRATE
16

FIG. 8

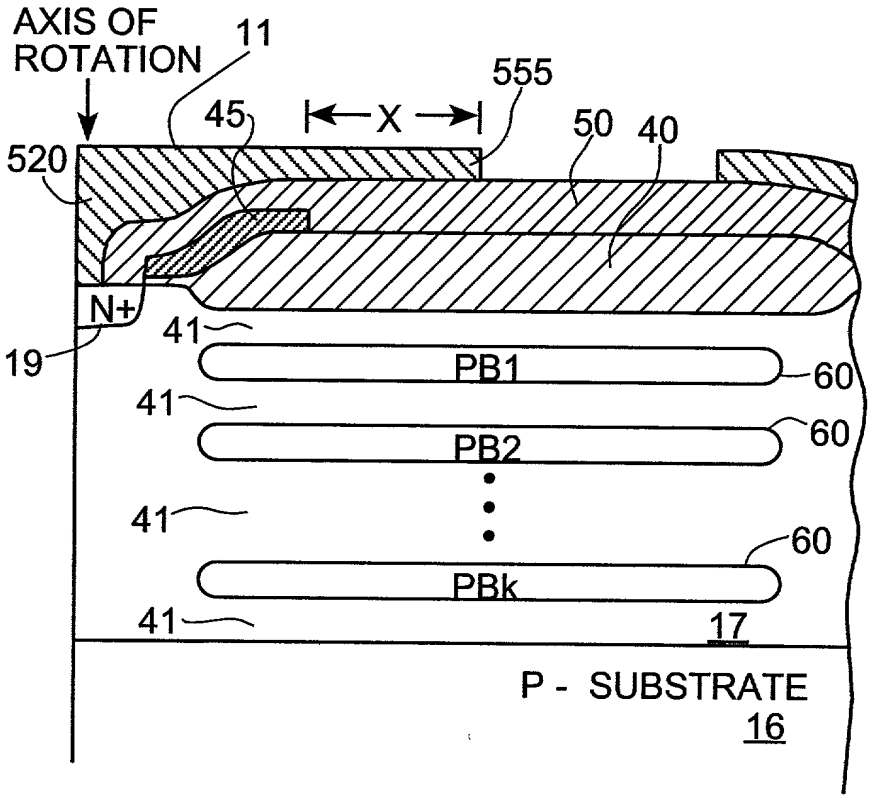
AXIS OF
ROTATION
11
555
45
X
50
40
520
N+
41
19
PB1
60
41
PB2
60
41
PBk
60
41
17
P - SUBSTRATE
16

FIG. 9

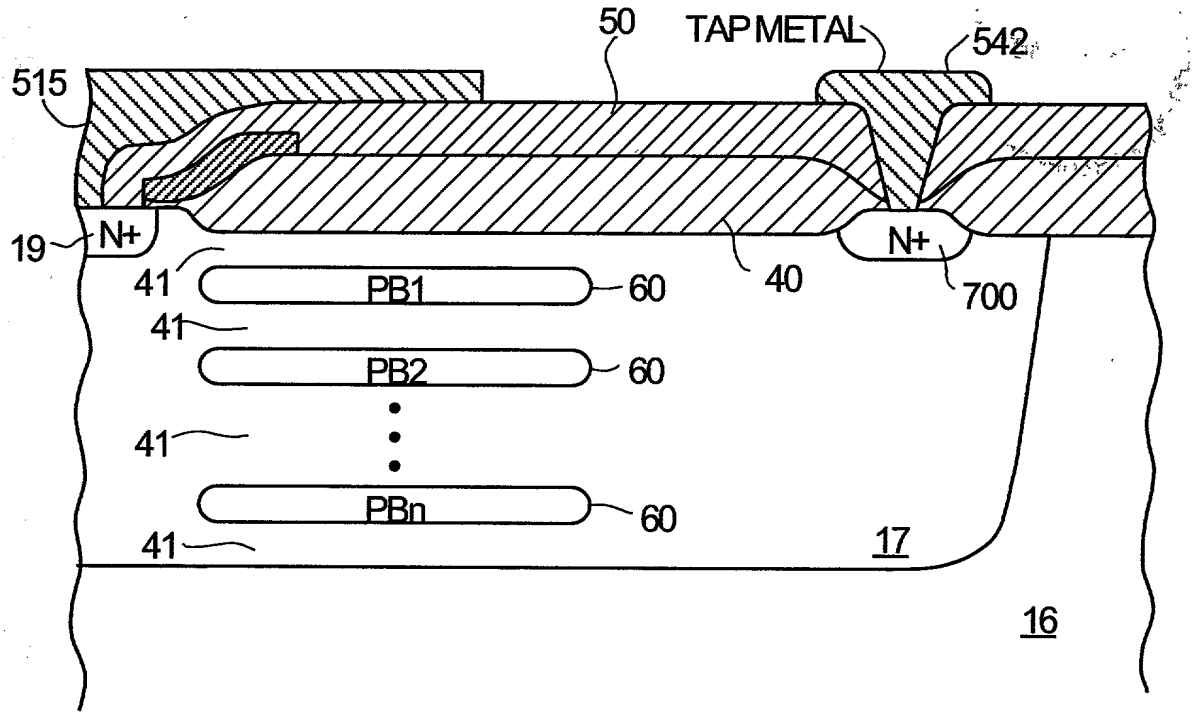
50
TAP METAL
542
515
19
N+
41
PB1
60
40
N+
700
41
PB2
60
41
PBn
60
41
17
16

FIG. 10

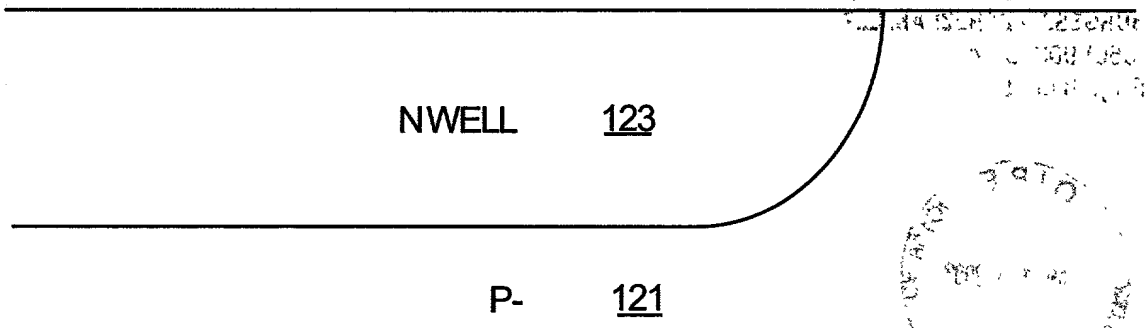

FIG. 11a

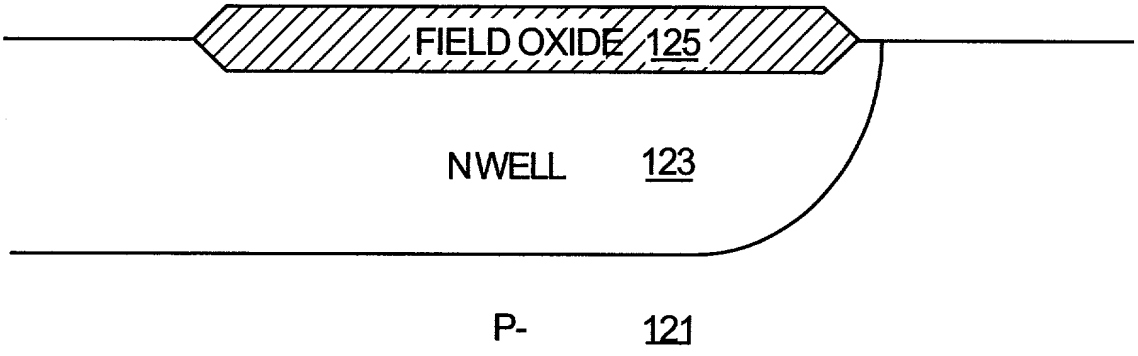

FIG. 11b

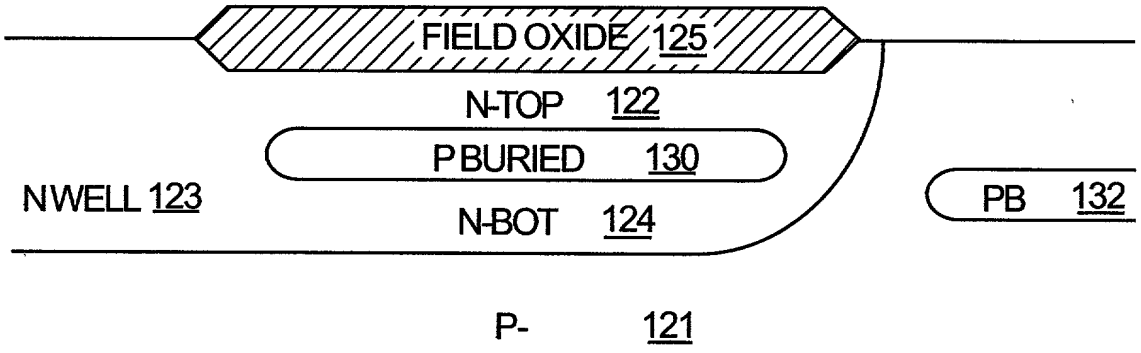

FIG. 11c

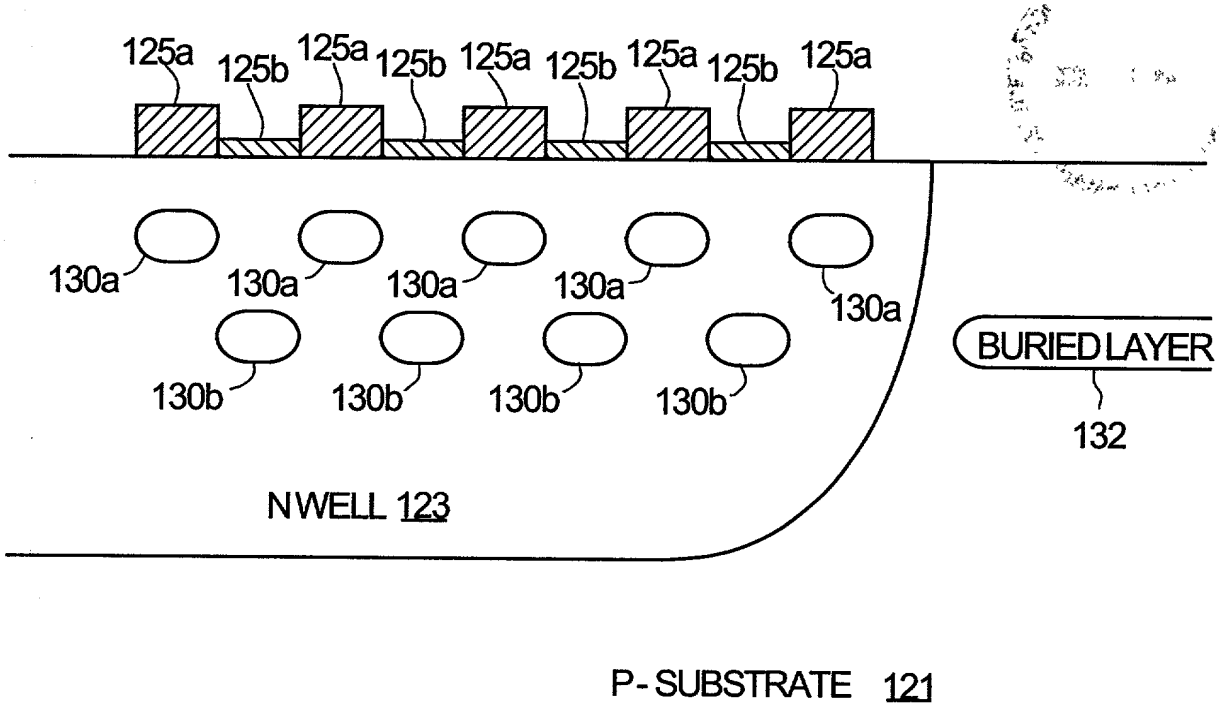
125a
125b
125a
125b
125a
125b
125a
125b
125a
130a
130a
130a
130a
130a
130b
130b
130b
130b
BURIED LAYER
132
NWELL 123
P- SUBSTRATE 121

FIG. 11d

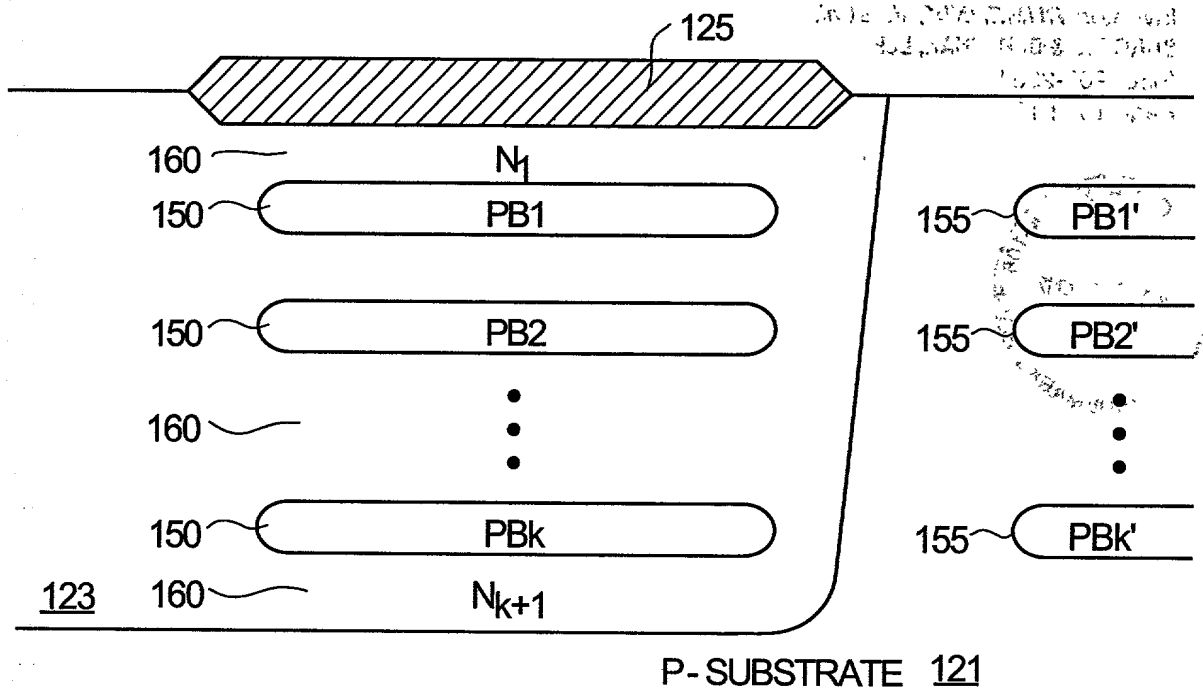

FIG. 11e

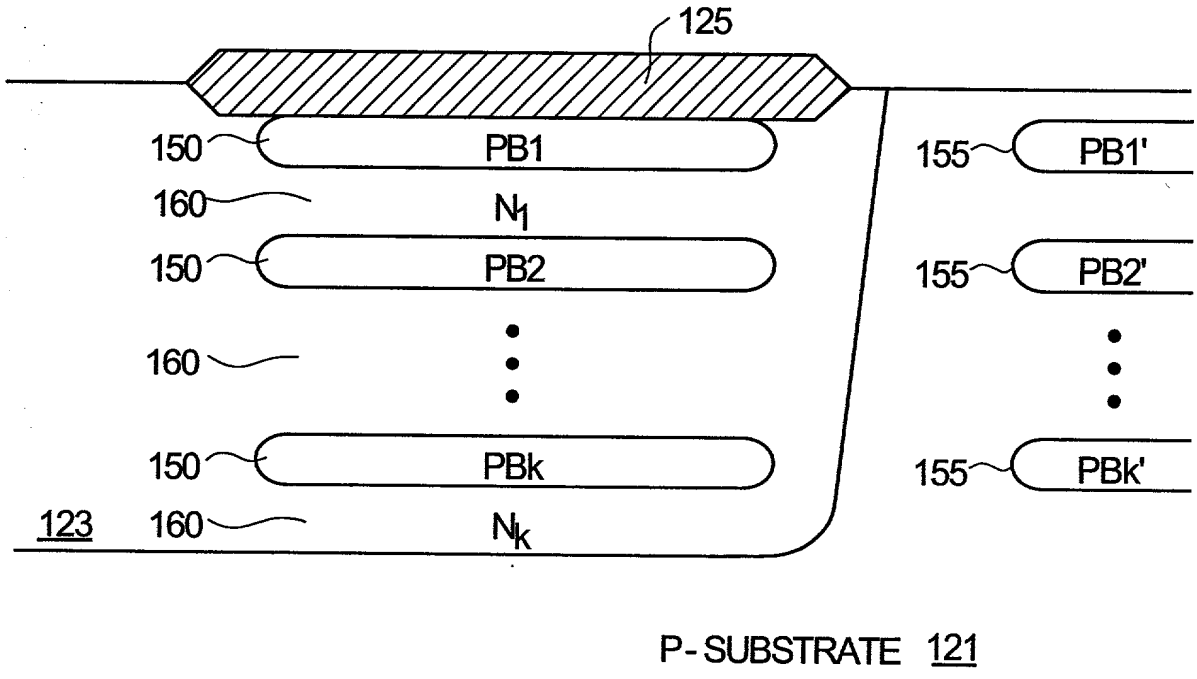

FIG. 11f

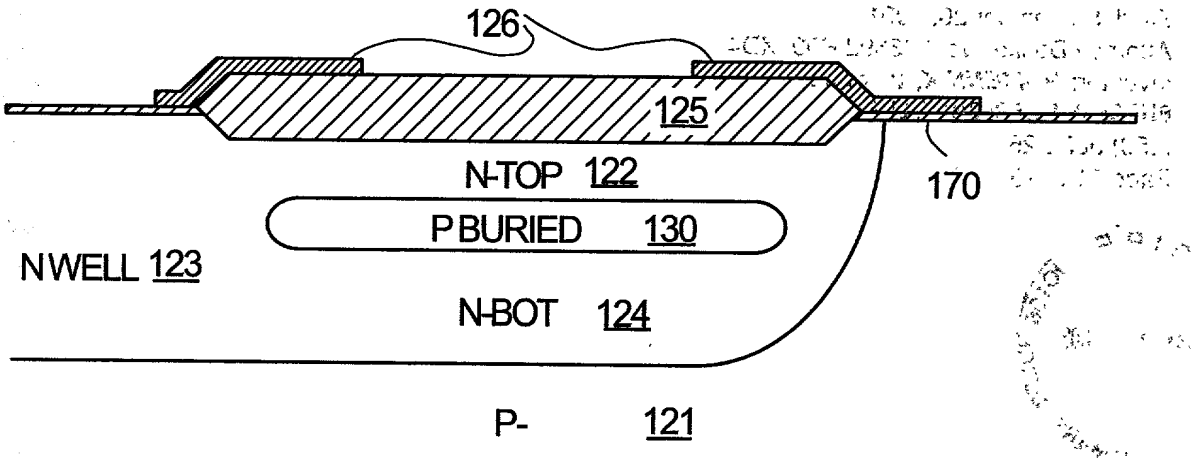

FIG. 11g

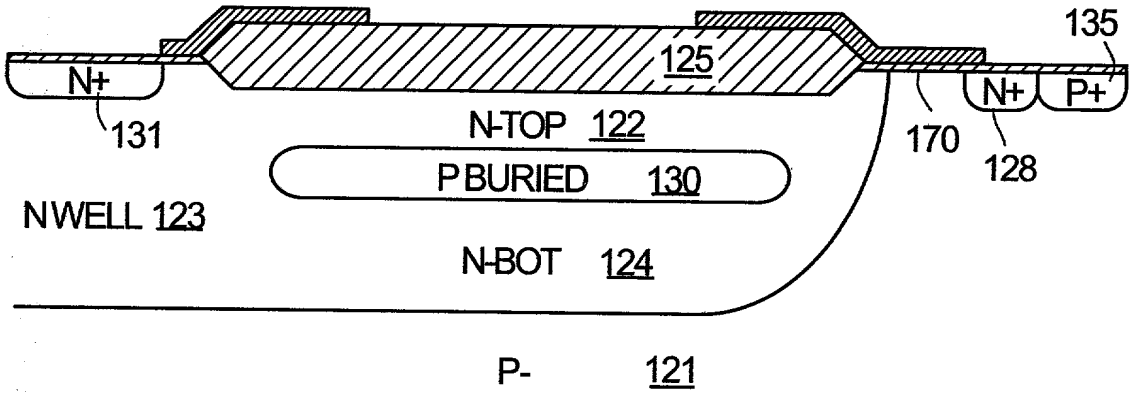

FIG. 11h

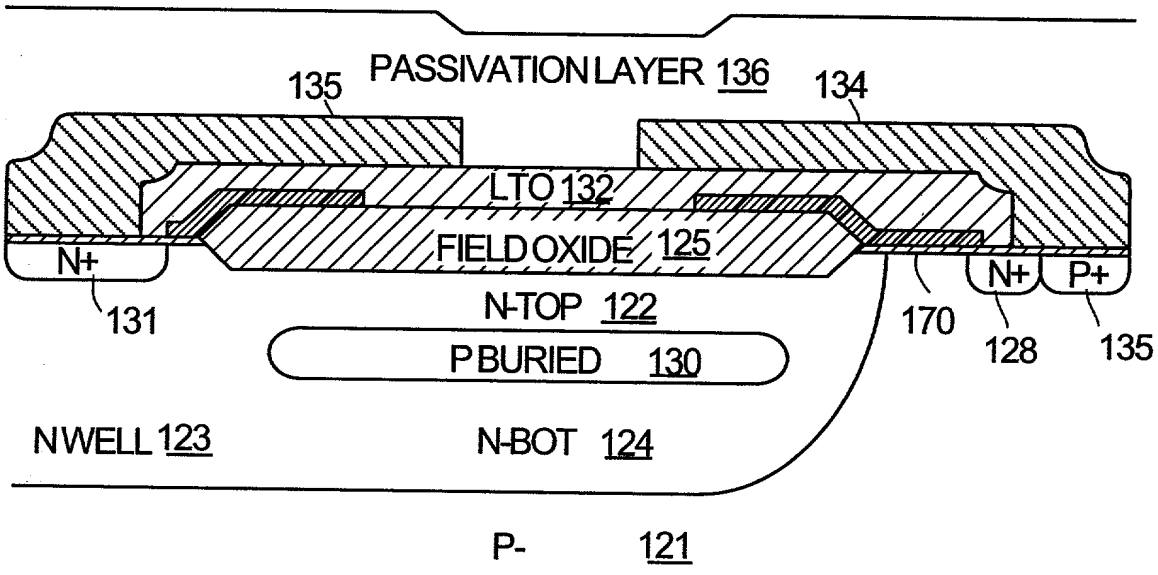

FIG. 11i

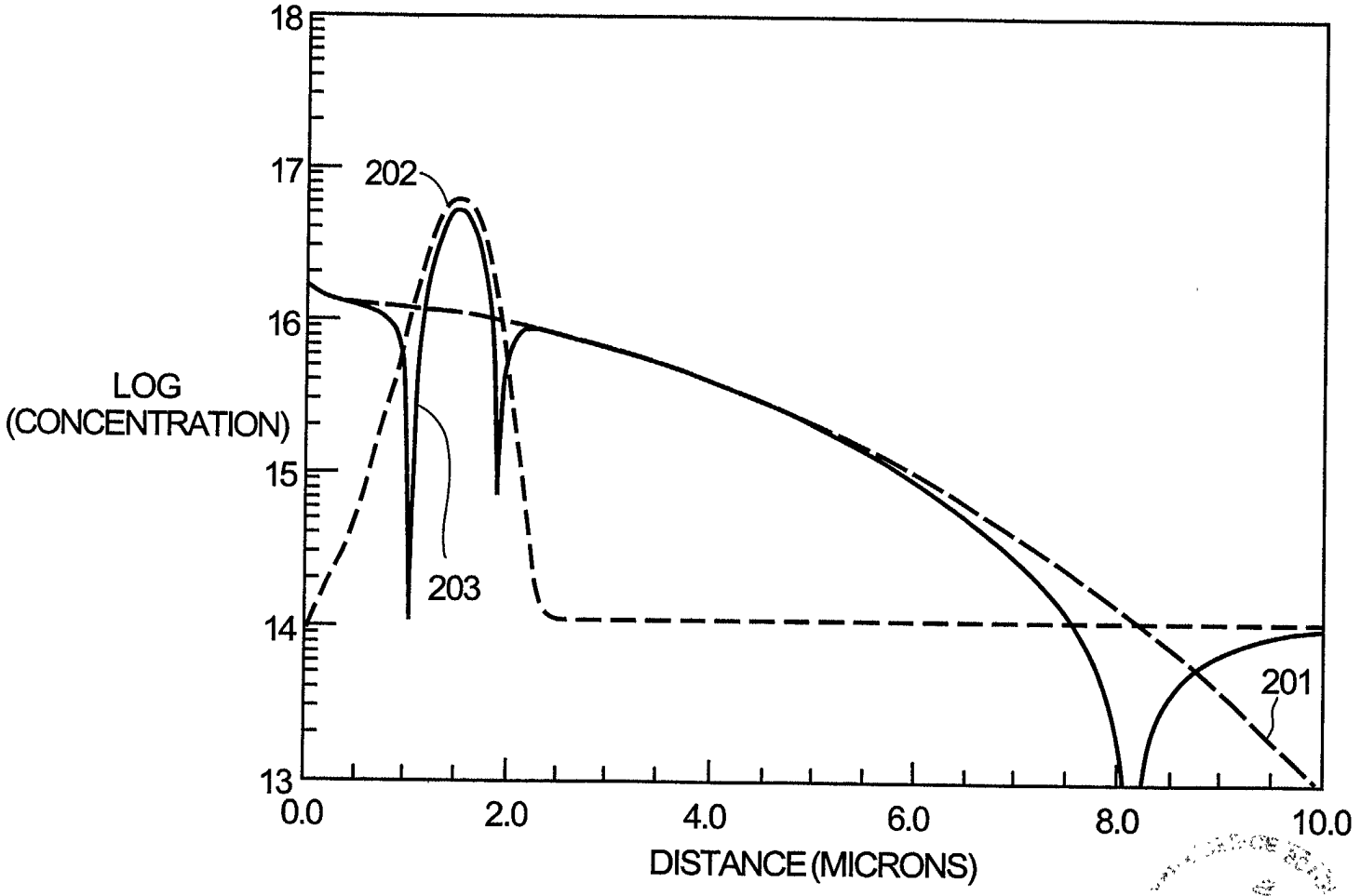

FIG. 12

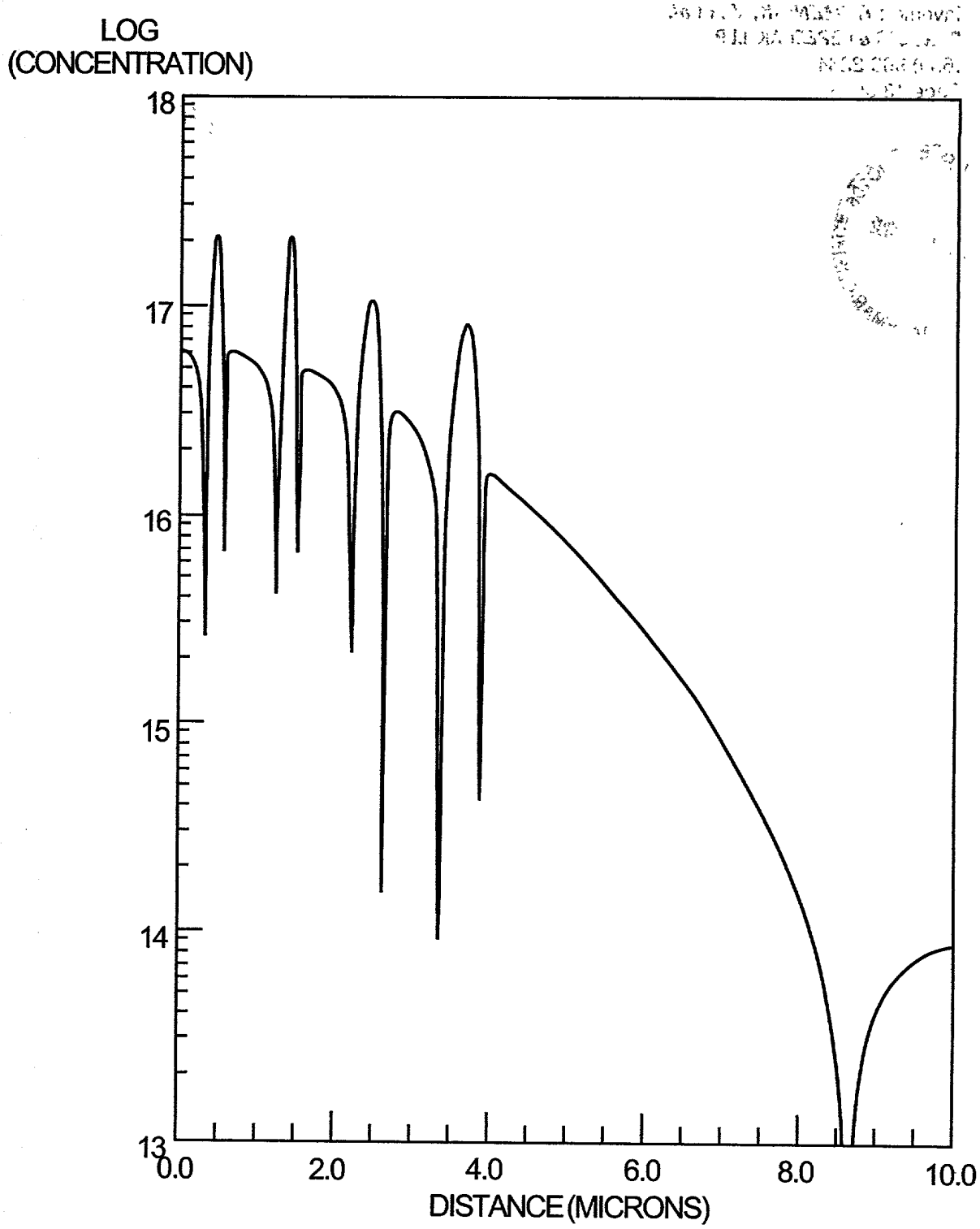
LOG
(CONCENTRATION)
18
17
16
15
14
13
0.0
2.0
4.0
6.0
8.0
10.0
DISTANCE (MICRONS)

FIG. 13

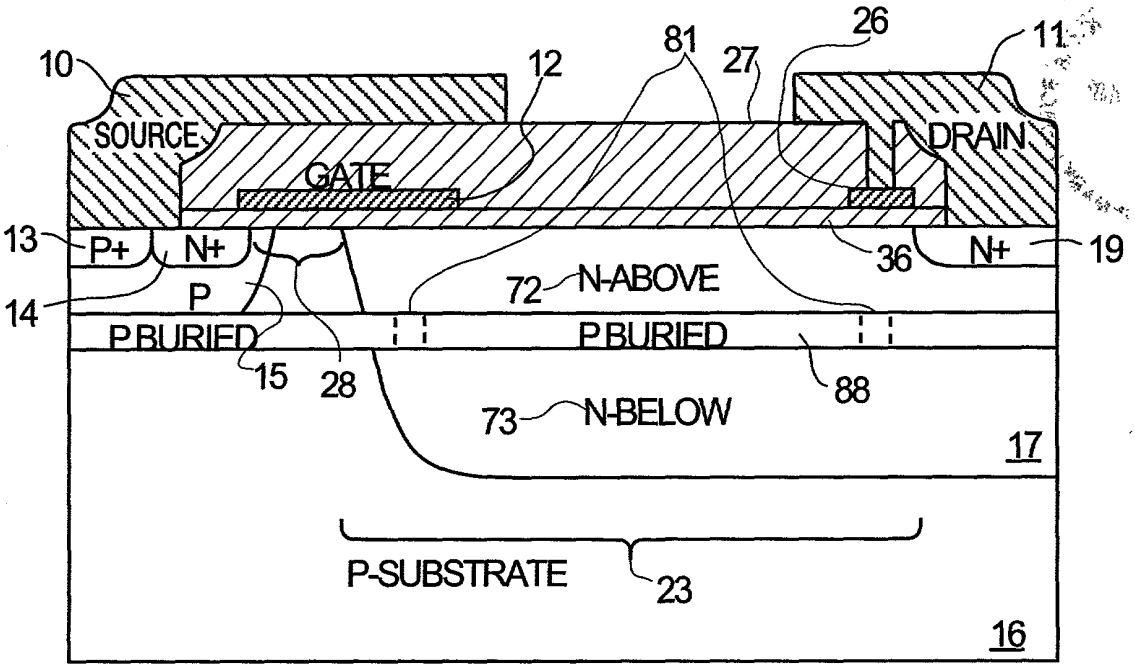
10
12
81
27
26
11
SOURCE
GATE
DRAIN
13
P+
N+
36
N+
19
14
P
72
N-ABOVE
P BURIED
P BURIED
15
28
88
73
N-BELOW
17
P-SUBSTRATE
23
16

FIG. 14